track a transmitted clock with a plurality of locally-generated clock phases;

estimate an average phase of one or more ~~previously~~ detected edges in the modulated data signal;

register a pulse edge in the ~~received stream of~~ modulated data signal, at a transition phase corresponding to one of said plurality of locally-generated clock phases, to detect the pulse edge;

determine whether a first symbol was received multiple times consecutively prior to the detected pulse edge; and

use the determination of whether said first symbol was received multiple times consecutively in a receiver decision process.

Cancelled

27. (~~Withdrawn~~) In an edge-based receiver, a method for performing decisions comprising:

determining whether a last two bits are different and if a dead zone transition has occurred;

assigning a registered transition to a current bit period if the determination is true; and

assigning the registered transition to a next bit period if the determination is false.